Gulf of Mexico Harmful Algal Bloom Bulletin

7 October 2004

National Ocean Service

National Environmental Satellite, Data, and Information Service

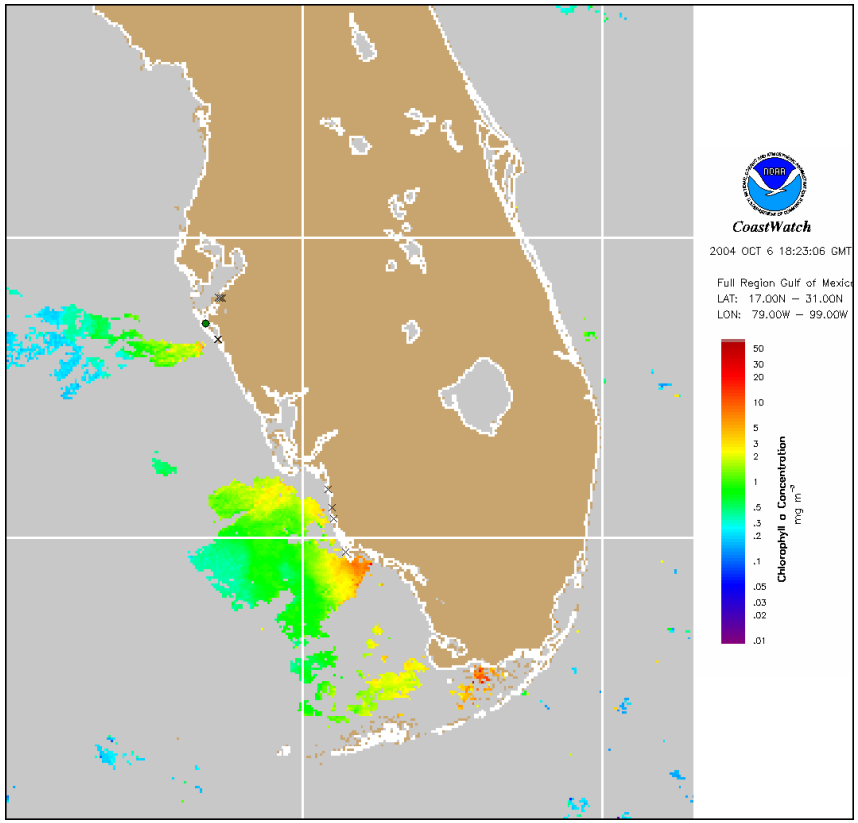
Last bulletin: October 5, 2004

Analysis

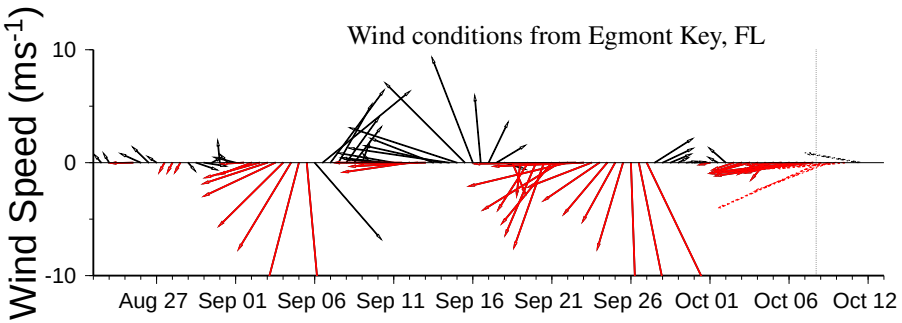
Conditions: Analysis indicates there are currently no harmful algal blooms in any Florida counties. October 7, 2004

Analysis: Recent satellite imagery has been obscured by clouds. Sampling done between September 27 and September 30 showed a Karenia brevis concentration of 1000 or less cells per liter near Bradenton Beach (82°40'W 27°30'N). In spite of presence of K brevis, HAB formation in the near future is unlikely.

Bronder, Stolz, Vincent

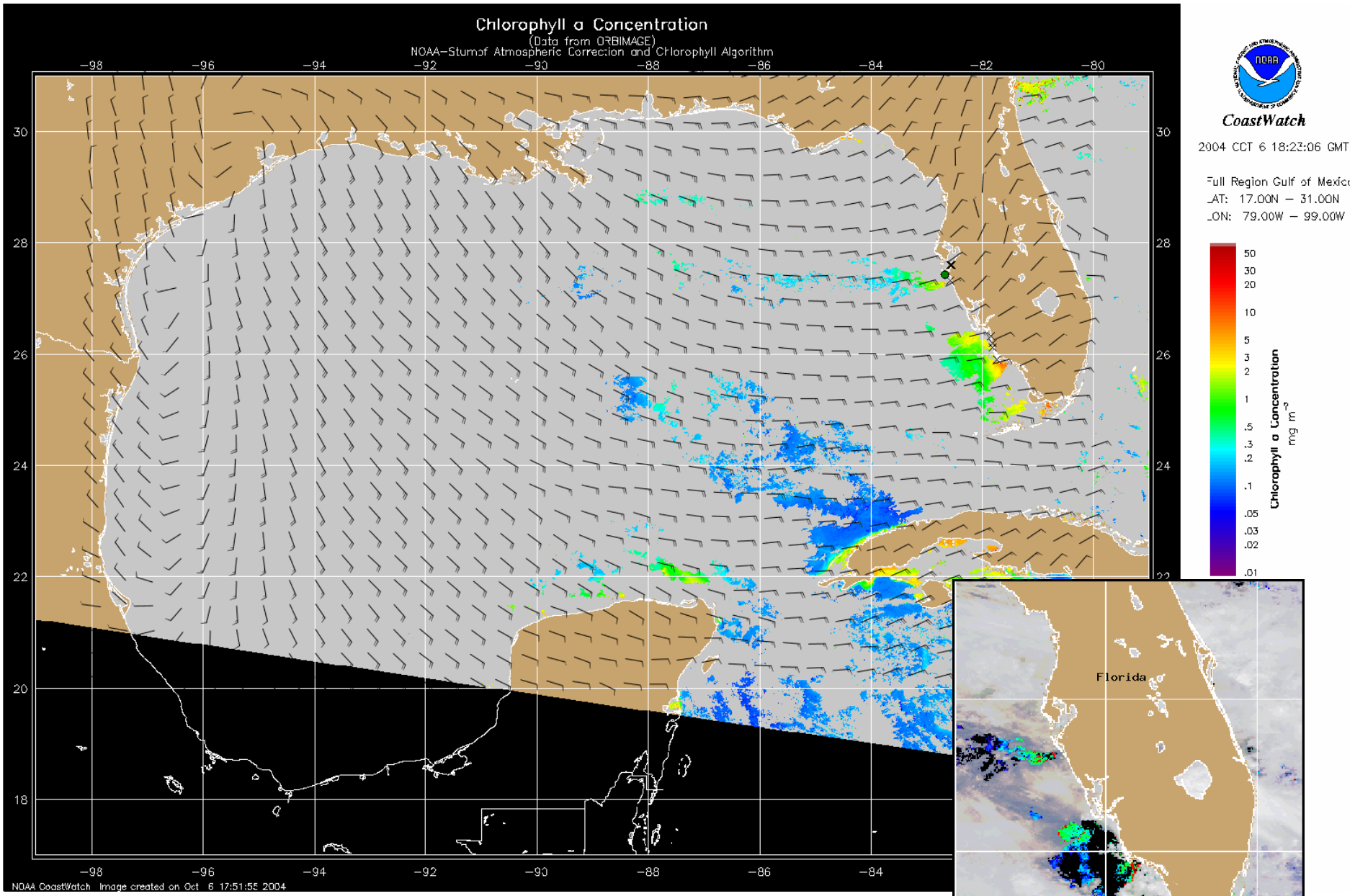


Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 1, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Winds have been out of the east for the past several days, and are forecasted to be easterly through the weekend.



Chlorophyll concentration from satellite and forecast winds for October 8, 2004 12Z with cell concentration sampling data from October 1, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis and image for interpretation)